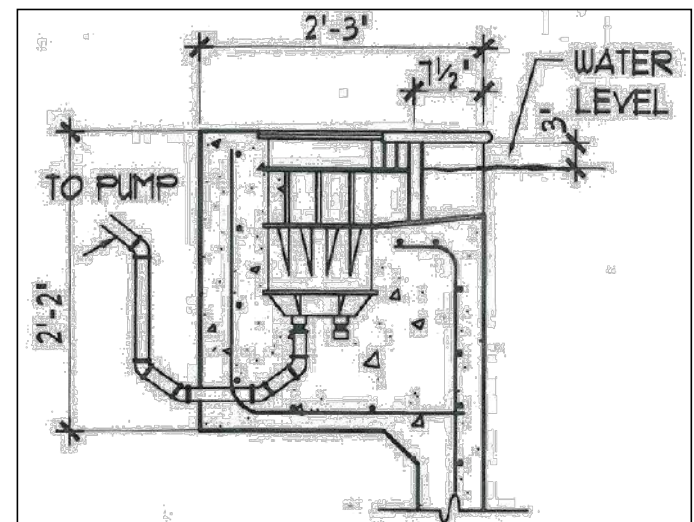


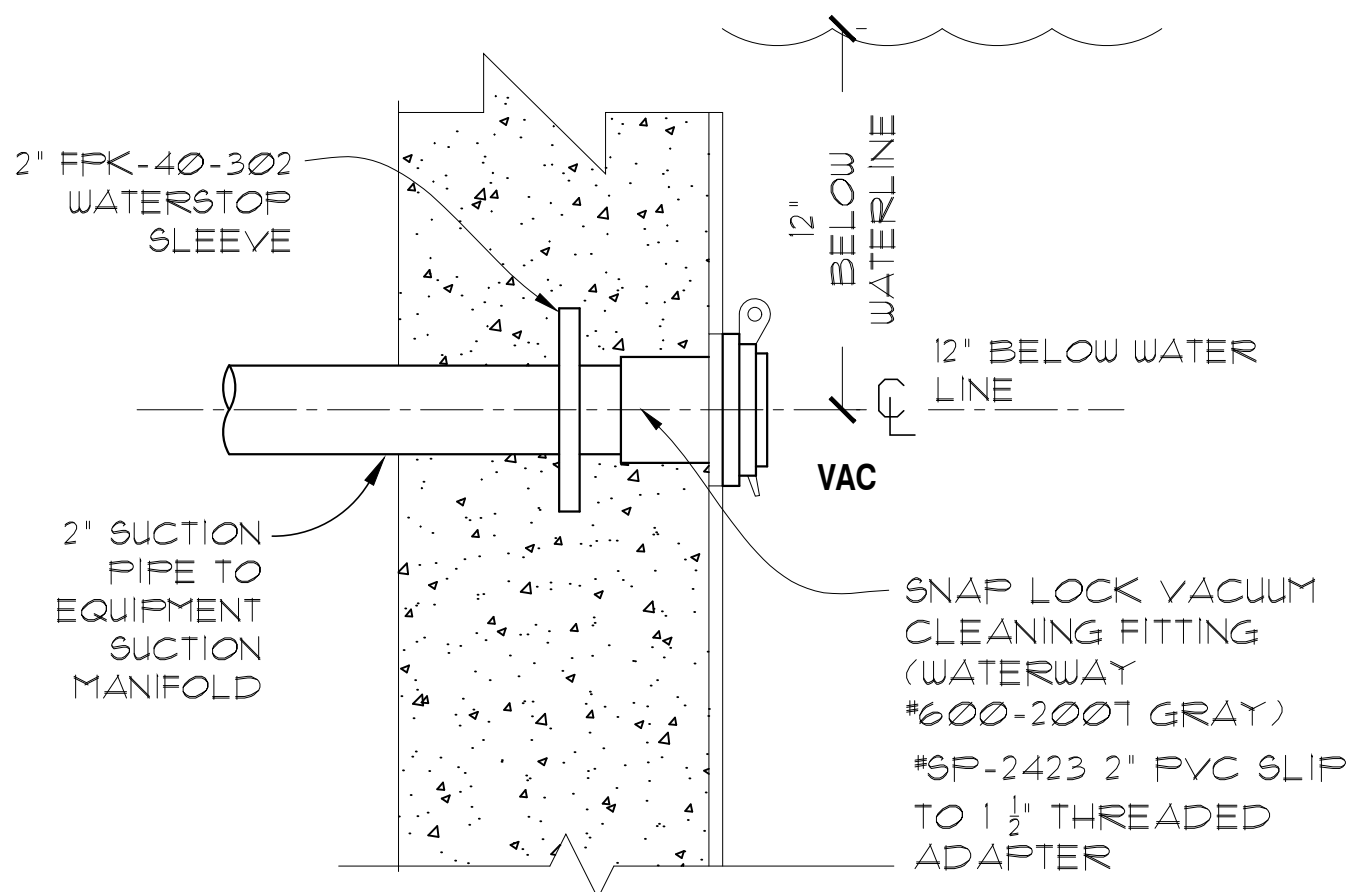
POOL PLUMBING PLAN
SCALE: 1/2"=1'-0"



SKIMMER LID DETAIL
SCALE: N.T.S.

THE EXISTING ELECTRICAL SERVICE IS ADEQUATE TO HANDLE THE NEW LOAD FROM THE POOL. THE POOL SERVICE IS CONNECT TO EXISTING 200 AMP. HOUSE PANEL SPARES-2 CIRCUITS-50 AMP.

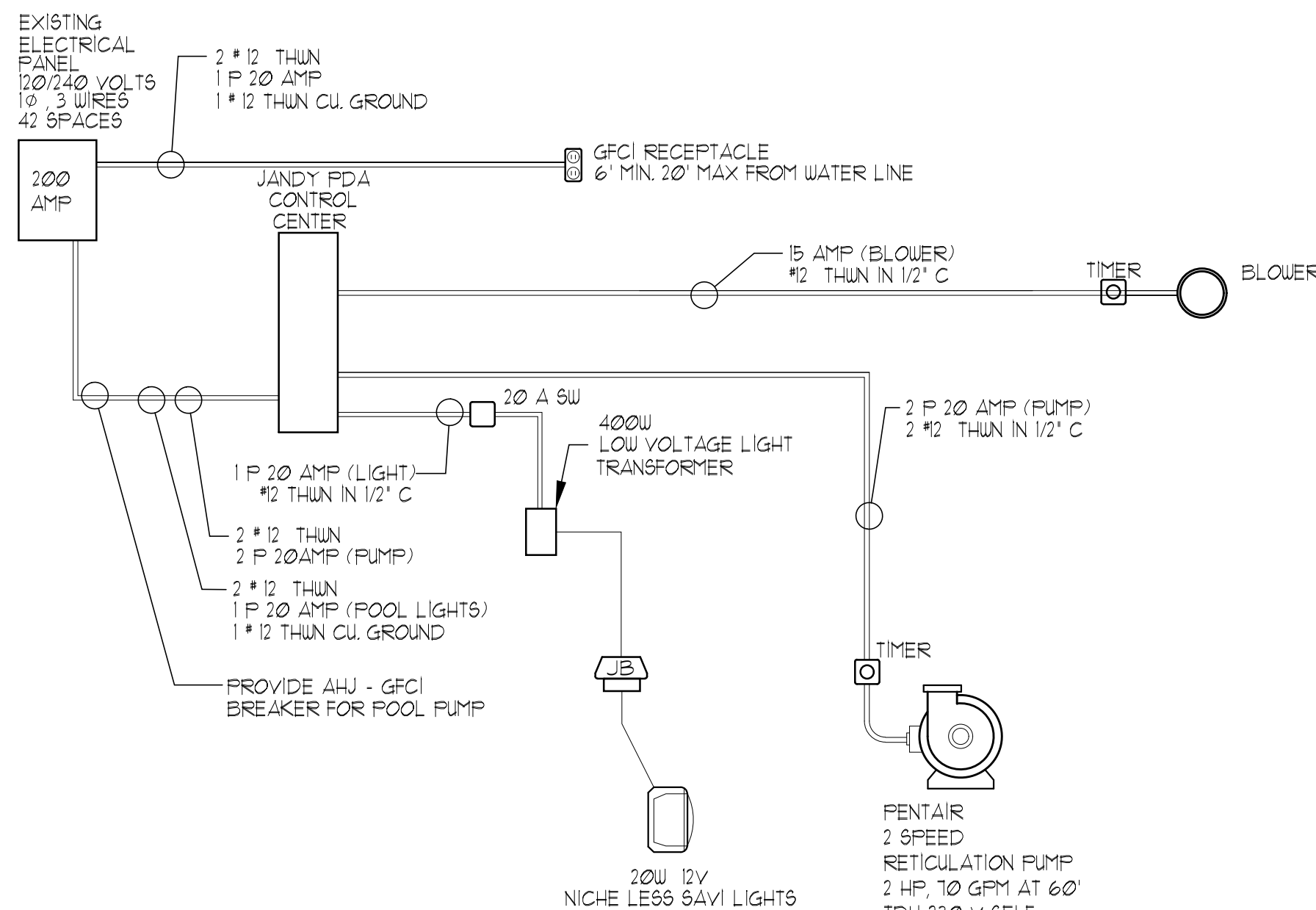
RESIDENTIAL POOL PUMPS TO COMPLY WITH
FBC E 403.9 POOL MOTORS REQUIRE
OVERLOAD PROTECTION COMPLY NEC 430.32



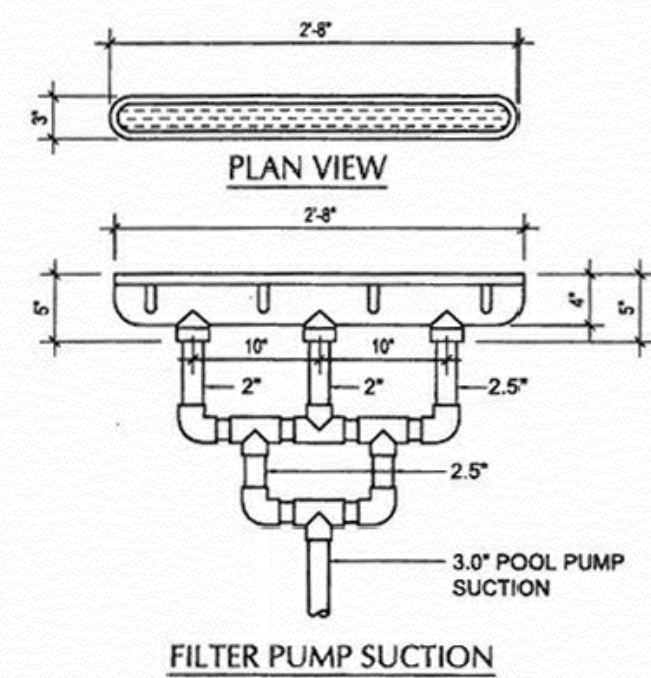
POOL 2" VACUUM LINE DETAIL
SCALE: N.T.S.

STRUCTURAL NOTES:

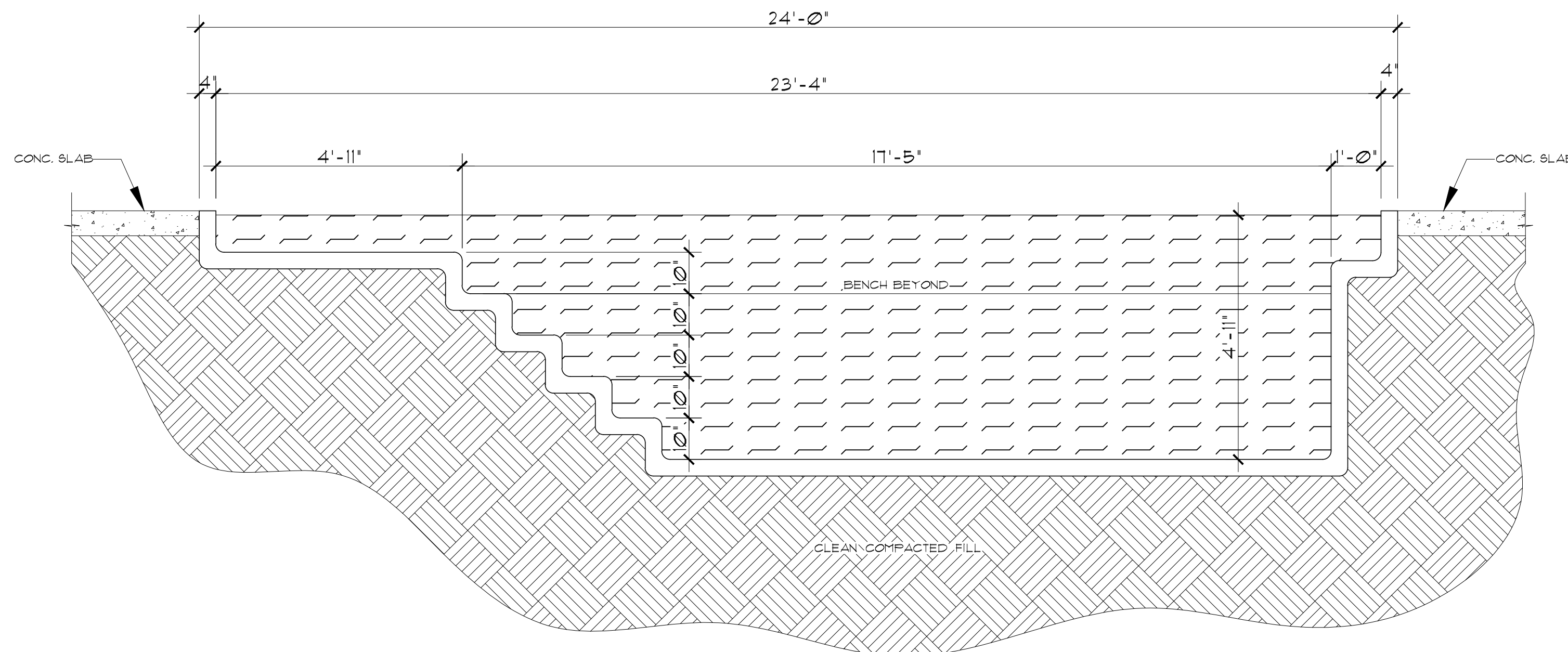
1. CONCRETE: ALL CONC. FOR FOUNDATIONS & SLABS ON GRADE SHALL REACH 5000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS, AND ALL COLUMNS, GROUTED CELLS, SLABS ABOVE GRADE AND TIE BEAM SHALL REACH 3000 P.S.I. MIN. COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE NOTED.
2. REINFORCEMENT: ALL REINF. STEEL TO BE A.S.T.M. 615 GRADE 60.
3. WOOD: ALL LUMBER SHALL BE #2 SO. PINE (MC1B) UNLESS OTHERWISE NOTED & WITH A STRENGTH OF 1200 P.S.I. ALL LUMBER IN CONTACT WITH CONC. SHALL BE PRESS. TREATED & HAVE A MIN. FIBER BENDING STRENGTH OF 1200 P.S.I.
4. STEEL: ALL STEEL CONNECTIONS SHALL BE COLUMBIA COUNTY APPROVED AS PER F.B.C. PRE STRESSED STEEL CAST AGAINST & PERM. EXPOSED TO EARTH @ 3" EXPOSED TO EARTH OR WATER. #5 BARS OR SMALLER @ 1'-1/2" @ BARS OR LARGER @ 2' NOT EXPOSED TO WEATHER OR GROUND CONTACT. (SLABS, WALLS, OR JOIST) #1 BARS OR SMALLER @ 3/4". (BEAMS, GIRDERS, OR COLUMNS) @ 1'-1/2" MIN. HORIZ. CLEAR DISTANCE BETWEEN BARS IN LAYER. BEAM: MAX. OF ONE BAR DIA. OR 1" WALLS: MAX. OF ONE BAR DIA. OR 1" MIN. VERT. CLEAR DISTANCE BETWEEN BARS IN A LAYER. BEAMS: 1" MAX. REBAR SPACING (CLEAR DISTANCE) WALLS & SLABS: MIN. OF 3 TIMES THE WALL OR SLAB THICKNESS, OR 18" MIN. SPLICE TENSION LAP LENGTH IS 12" SPLICES FOR TIE BEAM REINFORCEMENT SHALL BE MIN. OF 36" BAR DIAMETER OR 18", WHICHEVER IS GREATER. SPLICES FOR COLUMN REINFORCEMENT SHALL BE 48" BAR DIA.



POOL ELECTRICAL RISER
SCALE: N.T.S.



APPROVED LINEAR GRATE
SCALE: N.T.S.



POOL CROSS SECTION
SCALE: 1/2"=1'-0"

POOL PLUMBING NOTES

- 1- ALL WATER EQUIPMENT SHALL BE SCHEDULE 40, PVC-FW, NON -THREADED NSF APPROVED SUPPORTED CONTINUOUSLY ON GROUND OR ON MAXIMUM 4'-0" CENTERS WITH CLEVIS HANGERS.
- 2- ALL SUCTION PIPING SHALL BE 2" DIAMETER AND ALL PRESSURE PIPING 1 1/2" DIAMETER UNLESS OTHERWISE NOTED.
- 3- POOL WATER DISPOSAL SHALL BE IN ACCORDANCE WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
- 4- ANTI VORTEX MAIN DRAINS SHALL HAVE ITS PLATE SECURELY FASTENED WITH TAMPERPROOF SCREWS.
- 5- POOL VACUUM SHALL HAVE SPRING LOADED CAP IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
- 6- ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-PLUMBING SECTION 309.3 AS IT PERTAINS TO BUOYANCY.
- 7-THE WATER VELOCITY THROUGH ALL SUCTION PIPING SHALL BE LESS THAN 8 FEET PER SECOND AS PER FLORIDA BUILDING RESIDENTIAL CODE 1th EDITION 2020, SECTION 4542.6.3.
- 8-THE WATER VELOCITY THROUGH ALL PRESSURE PIPING SHALL BE LESS THAN 10 FEET PER SECOND AS PER FLORIDA BUILDING RESIDENTIAL CODE 1th EDITION 2020, SECTION 4542.6.3.
- 9- ALL PIPING SHALL BE SUITABLE FOR EXPOSURE TO ULTRA VIOLET RADIATION AND NORMAL OPERATING TEMPERATURES.

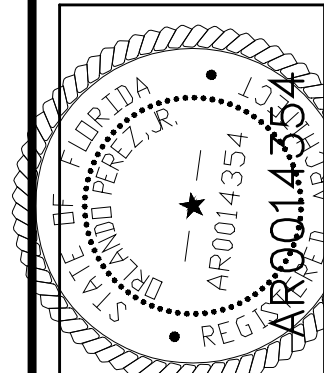
POOL ELECTRICAL NOTES:

1. ALL POOL ELECTRICAL WORK SHALL COMPLY WITH N.E.C. 2017, AND FLORIDA BUILDING RESIDENTIAL CODE 1th EDITION 2020.
2. NO OVERHEAD ELECTRIC WIRING SHALL BE LOCATED WITHIN 10' OF POOL'S WATER EDGE (UNLESS IT IS 18 FEET OR HIGHER)
3. GFCI'S MAY BE EITHER CIRCUIT BREAKERS OR RECEPTACLE TYPE. 680.8 MAX.CORD LENGTH FOR A PUMP MOTOR IS 3' EXCEPT FOR STORABLE POOLS. 680.9 OVER HEAD WIRE CLEARANCE IS MIN. 10' HORIZONTAL FROM THE POOL WALL. 680.11 UNDERGROUND WIRING SHALL COMPLY WITH 680.11. WIRING SHALL NOT BE ALLOWED UNDER A POOL UNLESS IT'S TO SUPPLY POOL EQUIPMENT 680.13A MEANS OF DISCONNECTION SUCH AS A SWITCH OR PLUG MUST BE WITHIN SIGHT OF THE EQUIPMENT SERVED(680.5.)
4. WIRING METHODS SHALL BE IN RIGID CONDUIT, INTERMEDIATE CONDUIT,PVC CONDUIT, RTRC CONDUIT LISTED MC CABLE WHERE INSTALLED IN A CORROSIVE ENVIRONMENT.FLEX IS ALLOWED AT THE PUMP MOTOR(680.14(B) OF NEC 2017)
5. AT LEAST ONE GENERAL PURPOSE RECEPTACLE FROM 6' TO 20' AWAY IS REQUIRED(680.22(A)(1) OF NEC 2017)
6. RECEPTACLES FOR PUMP MOTORS MINIMUM 6' FROM THE POOL WALL MUST BE GFCI PROTECTED(680.22(A)(2) OF NEC 2017).
7. OTHER RECEPTACLES SHALL BE AT LEAST 6' FROM THE POOL WALL AND GFCI PROTECTED(680.22(A)(3) OF NEC 2017).
8. PRIOR TO ELECTRICAL ROUGH, ELECTRICAL CONTRACTOR SHALL SUBMIT A REVISION TO THESE DRAWINGS SHOWING EXISTING SERVICE WITH ADDITIONAL LOADS, CALCULATIONS, AND EXPECTED AS-BUILT CONFIGURATION IF DIFFERENT FROM THESE DRAWINGS.

DATE:	
REVISION DESCRIPTION	
REV. No.	
DRAWN BY:	

OPJD Architect, LLC
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ORLANDO PEREZ JR
Digitally signed by ORLANDO PEREZ JR
Date: 2023.10.06 10:57:06 -0400



A SWIMMING POOL FOR
MELISSA THOMAS
6129 SW COUNTY RD 18 FORT WHITE
COLUMBIA COUNTY, FL 32038
RE-00-00-00 14330-116

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DRAW BY: YFF
DATE: 10/03/23

POOL-02